3. *Please amend the following paragraph starting on page 15, line 13 as follows:*

[0038] First, at time T1, the voltage of the capacitor element control line **10** is brought to a high ("H") level and the reference capacitor element control switch **5** is turned ON, thereby connecting the reference capacitor element **2** to the series capacitor element **1**. Then, at time T2, the voltage of the bias control line **9** is brought to the "H" level, and the bias control switch **4** is turned ON, thereby bringing the voltage of the output node **15** to a bias voltage [[VB]] $\underline{V_B}$.

4. *Please amend the following paragraph starting on page 16, line 6 as follows:*

[0041] Then, at time T4, the voltage of the signal line **11** is brought to the "H" level and the infrared-detecting capacitor element control switch **6** is turned ON, thereby connecting the infrared-detecting capacitor element **3** to the series capacitor element **1**. Then, at time T5, the voltage of the bias control line **9** is brought to the "H" level, thereby bringing the voltage of the output node **15** back to a level equal to the bias voltage [[VB]] $\underline{V_B}$. Then, at time [[T5]] $\underline{T6}$, the voltage of the power supply line **8** is raised from V_L to V_H. Thus, the voltage difference (V_H-V_L) between V_H and V_L is distributed according to the capacitance ratio between the series capacitor element **1** and the infrared-detecting capacitor element **3** and added to the voltage of the output node **15**. The voltage of the output node **15** in this state is defined as a detection potential V_{sig}.

6. *Please amend the following paragraph starting on page 1̸8̸, line 8̸ as follows:* 18 21 MPW 01/02/08

[0052] First, at time T0, the voltage of the first vertical scanning line **33** is brought to the "H" level, thereby connecting the infrared sensor **20** and the infrared sensor **21**, forming the first row of the infrared sensor array, to the power supply line **8**. Then, at time T1, the voltage of the